

O300.GR-NV1T.72N

Diffuse sensors with background suppression - miniature

Article number: 11135879

Overview

- background suppression
- 30 ... 300 mm
- pulsed red LED
- NPN complementary
- qTeach
- connector M8 4 pin
- 25 ... 60 °C
- IP 67



Picture similar



Technical data

General data

Type	Background suppression
Light source	Pulsed red LED
Sensing distance Tw	30 ... 300 mm
Sensing range Tb	15 ... 300 mm
Power on indication	LED green
Light indicator	LED yellow
Sensing distance adjustment	qTeach
Wave length	630 nm
Suppression of reciprocal influence	Yes
Alignment optical axis	< 2°

Electrical data

Response time / release time	< 1 ms
Voltage supply range +Vs	10 ... 30 VDC
Current consumption max. (no load)	45 mA

Electrical data

Current consumption typ.	30 mA
Voltage drop Vd	< 3 VDC
Output function	Light / dark operate
Output circuit	NPN complementary
Output current	< 100 mA
Short circuit protection	Yes
Reverse polarity protection	Yes

Mechanical data

Width / diameter	12.9 mm
Height / length	32.3 mm
Depth	23 mm
Type	Rectangular
Housing material	Plastic (ASA, PMMA)
Front (optics)	PMMA
Connection types	Connector M8 4 pin

Ambient conditions

Protection class	IP 67
Operating temperature	-25 ... +60 °C

Remarks

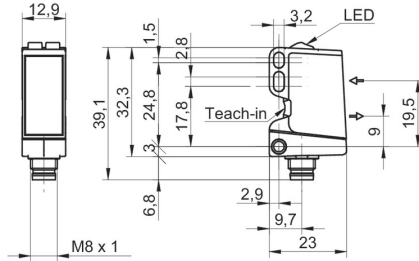
- qTeach

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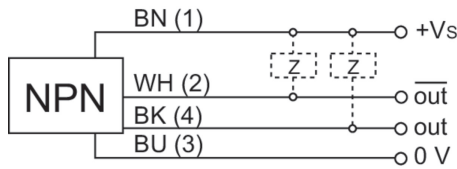
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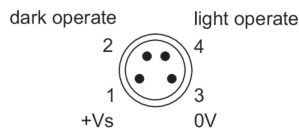
Dimension drawing



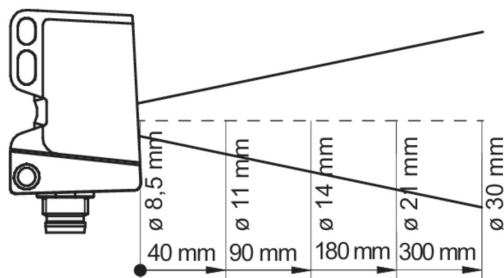
Connection diagram



Pin assignment



Beam characteristic (typically)



Sensing distance diagram

